



EDUCATIONAL PROGRAM SCHEDULE

Saturday, June 14 – East Park (Mason City)

- **2:30 – 5:30 pm** – Concurrent Sessions
 - *Canoe Skills and Safety Clinic* – Nate Hoogeveen (Iowa Dept. of Natural Resources, Water Trails Program)
 - *Project WET Festival*

Sunday, June 15 – Fossil and Prairie Park (Rockford)

- **On River Program** – *Shale, Slumps, and Shallow Seas at Claybanks Forest State Preserve* – John Pearson (Iowa Dept. of Natural Resources, State Preserves Program)
- **On River Program** – Project Wet Activities
- **7:00 pm** – Concurrent Sessions
 - *The Changing Iowa Landscape; Discovering the Prairies and Kilns of the Rockford Brick & Tile Company* – Doug Schroeder and Laura Elfers (Floyd County Conservation Board)
 - *Geologic Tour of Rockford Shale Pit* – Ray Anderson (Iowa Dept. of Natural Resources, Iowa Geological & Water Survey)
- **8:15 pm** – Dusk Program
 - *What The River Has Taught Me* – Robert James Waller

Monday, June 16 – Winnebago Scout Reservation (Marble Rock)

- **On River Program** – Project Wet Activities
- **Camp Arrival Activity** – *Winnebago Scout Reservation Camp History and Hayride Tour* – Cortney Webber (Winnebago Council Boy Scouts of America)
- **7:30 pm** – Concurrent Sessions
 - *Dutch Oven Cooking* – Winnebago Scout Reservation
 - *The Cedar River: A Video Snapshot* – Brian Emerson and James Martin (Watershedsunite Project)

Tuesday, June 17 – Camp Comfort (near Greene)

- **On River Program** – Project Wet Activities
- **7:30 pm** – Concurrent Sessions
 - *A Glance at Biological Monitoring* – Travis Morarend, Mike Birmingham, Seth Zimmerman, and Matt Watters (University of Iowa Hygienic Lab)
 - *Soil and Water Conservation Society* – to be announced
- **Dusk**
 - *What's Up in the Sky Tonight* – Ed Engle (Ames Area Amateur Astronomers)

Wednesday, June 18 – Heery Woods State Park (Clarksville)

- **On River Program** – *Soil and Water Conservation Society*
- **On River Program** – Project Wet Activities



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- **On Site Program** – *Wildflower Walk at Heery Woods* – John Pearson (Iowa Dept. of Natural Resources, State Preserves Program)
- **7:30 pm** – Concurrent Sessions
 - *Aquatic Phenomena: Blobs, Colors, Foam...and More* – Donna Lutz (Iowa State University)
 - *U.S.G.S River Gaging in Iowa* – Aimee Donnelly and Jason McVay (U.S. Geological Survey)
- **Dusk**
 - *Hoo Gives a Hoot and Owl Calling* – Steve Martin (Butler County Conservation Board)

Thursday, June 19 – Shell Rock Recreational Area (Shell Rock)

- **On River Program** – Project Wet Activities
- **On River Program** – *U.S.G.S River Gage Demonstration* – Aimee Donnelly and Jason McVay (U.S. Geological Survey)
- **7:00 pm** – Concurrent Sessions
 - *Promoting Conservation in all of Iowa* – Iowa Secretary of Agriculture Bill Northey (Iowa Department of Agriculture and Land Stewardship)
 - *Using a Hand-Held GPS Unit / Geocaching* – Heather Gamm (Bremer County Conservation)

Friday, June 20 – Black Hawk Park (Cedar Falls)

- **On River Program** – Project Wet Activities
- **On River Program** (Rotary Reserve) – *Cedar River Mussel Restoration Project* – Lyndsey Anderson (Hartman Reserve Nature Center)
- **7:30 pm** – Concurrent Sessions
 - *Cedar Valley Osprey Program Osprey Release* – Vern Fish (Black Hawk County Conservation Board) and the *Cedar River Mussel Restoration Project* – Lyndsey Anderson (Hartman Reserve Nature Center)
 - *Stop Aquatic Hitchhikers! Aquatic Invasive Species in Iowa* – Kim Bogenschutz (Iowa Dept. of Natural Resources)
 - *Live to 9* – Live music at Sturgis Park downtown Cedar Falls

Saturday, June 21 – Island Park (Cedar Falls)

- **On River Program** (Gateway Park) – *Paddling Demonstration* (Prairie Rapids Paddlers)
- **1:30 – 4:00 pm** – Project AWARE Celebratory Finale



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Saturday, June 14

Program Title: *Canoe Skills and Safety Clinic*

Program Description: Can't keep that canoe straight? Worried about the rapids, dams, and other hazards on this year's Project AWARE route? This 2-hour primer is for you! We'll focus on simple boat control techniques, hazard identification, and learning to "read the river" in order to stay upright while finding that trash.

Presenter: Nate Hoogeveen (Iowa Dept. of Natural Resources, Water Trails Program)

Bio: Nate Hoogeveen, River Programs Coordinator for the Iowa Department of Natural Resources, is an American Canoe Association certified instructor. He coordinates the Protected Water Areas, Water Trails, low-head dam safety, and Streamkeepers programs for the Iowa DNR.

Program Title: *Project WET Festival*

Program Description:

Presenter:

Bio:

Sunday, June 15

Program Title: *Shale, Slumps, and Shallow Seas at Claybanks Forest State Preserve*

Program Description: A stay-in-your-boats, riverside stop at this preserve will interpret the geological significance of a slumping hillside of soft, white, fossil-rich shale - a remnant of the shallow Devonian (375 million year old) sea that once covered Iowa.

Presenter: John Pearson (Iowa Dept. of Natural Resources, State Preserves Program)

Bio: John Pearson is a DNR ecologist who oversees the network of state preserves, which represent special lands with outstanding biological, geological, historical, archaeological, and scenic values.

Program Title: *Project WET Activities*

Program Description:

Presenter:

Bio:

Program Title: *The Changing Iowa Landscape; Discovering the Prairies and Kilns of the Rockford Brick & Tile Company*

Program Description: After a long day of canoeing, join us as we hike through the native prairie at the Fossil & Prairie Park discovering its unique flora and fauna. Follow the gently rolling hills to the hidden kilns of the Rockford Brick & Tile Company that uncovered the remains of an ancient ocean.

Presenter: Doug Schroeder and Laura Elfers (Floyd County Conservation Board)

Bio: Doug has been employed by the Floyd County Conservation Board for 15 years. Laura has been the naturalist for the Floyd County Conservation Board for 7 years.

Program Title: *Geologic Tour of Rockford Shale Pit*

Program Description: We will tour the shale pit at the Rockford Fossil and Prairie Park, briefly discussing the geology of exposures of the Devonian Lime Creek Formation and the Owen, Cerro Gordo, and Juniper Hill members. The participants will be able to collect fossils of the famous "Hackberry Fauna," including



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diminutive brachiopods, pelecypods (clams), corals, bryozoans, and other species. Others may want to visit the century-old brick kilns being preserved at the site.

Presenter: Ray Anderson (Iowa Dept. of Natural Resources, Iowa Geological & Water Survey)

Bio: In the 38 years that Dr. Raymond Anderson has worked for the Iowa Geological Survey he has developed an interest in all aspects of Iowa Geology. Among the many projects on which he has worked, Ray has investigated Iowa's oldest rocks (the Precambrian), the gypsum-bearing Jurassic rocks near Fort Dodge, and the Manson Impact Structure. He has been active in the Geological Society of Iowa, working with other Survey geologists on nearly 50 geologic field trips in Iowa. He has also been an active member of the Iowa Academy of Science, serving on numerous committees, the Board of Directors, and as the President of the Academy.

Program Title: *What the River Has Taught Me*

Program Description:

Presenter: Robert James Waller

Bio: Robert James Waller grew up in Rockford, Iowa, a town of 900 people, where his mother was a housewife and his father operated a small produce business. He was educated at the University of Northern Iowa and Indiana University where he received his doctorate. He taught management, economics, and applied mathematics courses at the University of Northern Iowa from 1968 to 1991, except for one year (1975-76) spent on leave at the Battelle Memorial Institute in Columbus, Ohio, and from 1979 to 1986 served as dean of UNI's College of Business. He has lectured and published widely in the fields of problem-solving and decision making and has worked as a consultant to business corporations and government institutions throughout the United States and around the world. He was an all-conference basketball player in college, worked for over twenty years as a musician (guitar, flute, singer/songwriter) playing nightclubs and concerts, and is a serious photographer.

Among his publications is the best-selling novel, *The Bridges of Madison County*, with 12 million copies in print in 36 languages, which also was a major film and has been presented as a theatrical production in twelve countries, including a recent opening in Paris and forthcoming productions in both Mandarin and Cantonese. Taken together, his books have sold approximately 17 million copies. He also has published six other novels, has published five additional books on various topics, and has completed a photography-poetry book. His novel *Puerto Vallarta Squeeze* has been made into a motion picture starring Harvey Keitel and Scott Glenn, is available on DVD, and presently has been running on various movie channels. His most recent novels are: *A Thousand Country Roads* (2002), *High Plains Tango* (2005), and *The Long Night of Winchell Dear*, which was published in November 2006.

Robert lives on a small farm in the Texas Hill Country and, as the spirit moves him, pursues his various interests in economics, mathematics, photography, music, and fly fishing for trout in locations throughout the United States. Currently he is working on his magnum opus, a book he judges will require about four years to complete. He is married to Linda Bow, and his daughter, Rachael, is a professional photographer.



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Monday, June 16

Program Title: *Project WET Festival (see above)*

Program Description:

Presenter:

Bio:

Program Title: *Winnebago Scout Reservation Camp History and Hayride Tour*

Program Description: We will share the history of the camp and tour the facilities on hayride trailers to show participants options for camping locations.

Presenter: Cortney Webber (Winnebago Council Boy Scouts of America)

Bio: Cortney Webber has been the resident Camp Ranger at the Winnebago Scout Reservation for 14 years and enjoys any opportunity to show off his life's work.

Program Title: *Dutch Oven Cooking*

Program Description:

Presenter: Winnebago Scout Reservation

Bio:

Program Title: *The Cedar River: A Video Snapshot*

Program Description: In September 2006, Brian Emerson and James Martin navigated the entire Cedar River from Austin, Minnesota, to its confluence with the Iowa River near Columbus Junction in southeast Iowa. During the 300-mile canoe trip they collected hours of geographically referenced video and information. This presentation will include video highlights of their trip and discussions of their observations.

Presenter: Brian Emerson and James Martin (Watershedsunite Project)

Bio: James Martin is the Johnson & Iowa County watershed coordinator for the Clear Creek Watershed and Brian Emerson is a Research Gardener for the University of Wisconsin Madison. Both grew up in Cedar Rapids, Iowa, and attended the University of Iowa.

Tuesday, June 17

Program Title: *Project WET Festival (see above)*

Program Description:

Presenter:

Bio:

Program Title: *A Glance at Biological Monitoring*

Program Description: A basic description of the methods and reasons for biological monitoring in Iowa's streams. Stream-side demonstrations of electroshocking fish, and techniques for sampling benthic macroinvertebrates. Field identification of common fish and bug species.

Presenter: Travis Morarend, Mike Birmingham, Seth Zimmerman, and Matt Watters (University of Iowa Hygienic Lab)

Bio: Travis Morarend, Mike Birmingham, Seth Zimmermann, and Matt Watters are all limnologists from the University of Iowa Hygienic Lab. As limnologists, they are responsible for collecting both chemical and biological data on Iowa's rivers, creeks, and lakes for various projects around Iowa.



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Program Title: *Soil and Water Conservation Society*

Program Description:

Presenter:

Bio:

Program Title: *What's Up in the Sky Tonight*

Program Description: If the weather is cooperating, we'll observe some planets, pretty double stars and a few deep sky objects, as well as a tour of the constellations. If the weather does not cooperate, we'll look at those same things on a projection screen. We'll also talk about the challenges of light pollution.

Presenter: Ed Engle (Ames Area Amateur Astronomers)

Bio: Ed Engle was born and raised in southwest Colorado. He got his bachelors degree in chemical engineering from New Mexico State University in 1986. He's been working for the last 15 years as an engineer at the Iowa Department of Transportation. In the last four years, Ed's been studying for a masters degree in environmental engineering and environmental science. He's been an avid amateur astronomer for close to 25 years. Ed's wife Julie is an optometrist and they have two daughters, Emily and Hannah. The girls sometimes help Ed with his (probably too infrequent) IOWATER sampling.

Wednesday, June 18

Program Title: *Project WET Festival (see above)*

Program Description:

Presenter:

Bio:

Program Title: *Soil and Water Conservation Society*

Program Description:

Presenter:

Bio:

Program Title: *Wildflower Walk at Heery Woods*

Program Description: Explore the flora of this bottomland forest with a botanist. We will look for all kinds of plants, including wildflowers, trees, mosses, and lichens.

Presenter: John Pearson (Iowa Dept. of Natural Resources, State Preserves Program)

Bio: See Sunday listing above for John Pearson

Program Title: *Aquatic Phenomena: Blobs, Colors, Foam...and More*

Program Description: What could it mean to have an oily sheen, dense foam or golden blobs in the water? Come see a slideshow of common and maybe not so common aquatic phenomena and discuss what you have observed.

Presenter: Donna Lutz (Iowa State University)

Bio: Donna Lutz, Assistant Scientist in the Civil, Construction, and Environmental Engineering Department at Iowa State University, has been managing surface and groundwater monitoring projects on reservoirs and rivers in Iowa for 28 years. Her current projects include the Des Moines River Water Quality Network (<http://te-webserver.cce.iastate.edu/research/lutz/dmrwqn/dmrwqn.html>) and a stormwater monitoring project for Honey Creek Resort Park (<http://te->



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webserver.cce.iastate.edu/research/lutz/Honey%20Creek/Index.htm). Donna has degrees in Biology/Environmental Studies and Water Resources.

Program Title: *U.S.G.S River Gaging in Iowa*

Program Description: Aimee and Jason will discuss what a river gage is, how data are collected at these gages, and the importance of this information.

Presenter: Aimee Donnelly and Jason McVay (U.S. Geological Survey)

Bio: Aimee Donnelly has been working for the USGS for 9 years. She has been involved extensively in both surface water and ground water sampling. She has been in charge of a stream gaging field trip for 7 1/2 years located in the Iowa River basin. She is the Iowa City field office ground water level monitoring expert. She is also the Iowa Water Science Center assistant safety officer. Jason McVay has been working for the USGS for 10 years, and has operated a stream gaging field trip for all ten of those years. Jason is also the Iowa Water Science Center hydro-acoustic specialist as well as the science center Biologist.

Program Title: *Hoo Gives a Hoot and Owl Calling*

Program Description: Owls have many adaptations that help make them a nearly perfect night-time predator. During this program participants will learn about these adaptations, and then take a hike into the forest at Heery Woods State Park where we will try to lure Barred Owls into the area by mimicking their calls.

Presenter: Steve Martin (Butler County Conservation Board)

Bio: Steve is the Naturalist for the Butler County Conservation Board where he has worked for the past twenty years. During that time he has presented over 3000 programs on natural and cultural history for audiences ranging from Pre-schoolers to nursing home residents.

Thursday, June 19

Program Title: *Project WET Festival (see above)*

Program Description:

Presenter:

Bio:

Program Title: *U.S.G.S River Gage Demonstration*

Program Description: Aimee and Jason will be demonstrating the equipment and operation of a river gage on the Shell Rock River in the town of Shell Rock at the end of the day's paddle.

Presenter: Aimee Donnelly and Jason McVay (U.S. Geological Survey)

Bio: see above

Program Title: *Promoting Conservation in all of Iowa*

Program Description: The Iowa Secretary of Agriculture will discuss both ongoing and new efforts within the Iowa Department of Agriculture and Land Stewardship to promote conservation. Secretary Northey will highlight both the continuing work by the Department with farmers to protect water quality from runoff on agricultural land and also discuss new efforts to improve the quality of water that runs off of the urban areas of the state.

Presenter: Bill Northey, Iowa Secretary of Agriculture (Iowa Dept. of Agriculture and Land Stewardship)

Bio: Bill Northey is a fourth generation farmer from Spirit Lake, Iowa, who grows corn and soybeans. Northey returned to Spirit Lake to farm with his grandfather after graduating from Iowa State University in 1981. He is serving his first term as Secretary of Agriculture after being elected in November of 2006. As Secretary,



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Northey has committed to traveling to each of Iowa's 99 counties every year to hear from farmers and rural residents with a stake in the future of agriculture. These meetings allow him to listen to their needs and better lead the Iowa Department of Agriculture and Land Stewardship as it seeks to serve the people of the state. His priorities as Secretary of Agriculture are advancing the opportunities available through renewable energy, promoting conservation and stewardship, and telling the story of Iowa agriculture.

Program Title: *Using a Hand-Held GPS Unit / Geocaching*

Program Description: These units (at least 27 will be available for hands-on learning) can be used for a variety of functions including marking your favorite fishing hole, hunting spot, canoe route or wildlife sightings. Geocaching has become a very popular treasure hunt for individuals or families and many geocaches are bringing more tech-savvy people into natural areas and parks.

Presenter: Heather Gamm (Bremer County Conservation)

Bio: Heather Gamm graduated from Iowa State University in 1998 with a Bachelor of Science degree in Animal Ecology and Environmental Studies. She began her career as a Park Ranger/Naturalist in Boone County. She has worked for Bremer County Conservation as a Naturalist since 2001. Her primary naturalist duties involve developing environmental education programs and presenting these programs to the public.

Friday, June 20

Program Title: *Project WET Festival (see above)*

Program Description:

Presenter:

Bio:

Program Title: *Cedar Valley Osprey Project and the Cedar River Mussel Restoration Project*

Program Description: For eight years, Hartman Reserve Nature Center has introduced juvenile Osprey to the area with hopes of establishing nesting pairs in the Cedar Valley. Through an interactive activity, participants will learn about the biology of the beautiful birds, how they are tied to water quality, issues our feathered friends encounter as they migrate south, and the success Hartman Reserve has seen over the past few years.

Program Description: The Nature Conservancy has identified mussels as the most imperiled group of animals in North America. For the past two years, Hartman Reserve Nature Center has been working with the U.S. Fish and Wildlife Service, the Iowa Department of Natural Resources Fisheries Department, and many local volunteers to reintroduce Native Freshwater Mussels into the Cedar River. Through this project, Hartman Reserve Nature Center hopes it will create awareness about water quality, and ultimately encourage people and businesses to change their habits towards water quality.

Presenter: Vern Fish (Black Hawk County Conservation Board) and Lyndsey Anderson (Hartman Reserve Nature Center)

Bio: Vern is the Executive Director of the Black Hawk County Conservation Board.

Bio: Lyndsey Anderson is the Recycling Education Naturalist / Mussel Project Coordinator at Hartman Reserve Nature Center.

Program Title: *Stop Aquatic Hitchhikers! Aquatic Invasive Species in Iowa*

Program Description: Preventing the introduction and spread of aquatic invasive species in Iowa is a primary goal of the Iowa DNR's Aquatic Invasive Species Program. This presentation will profile the identification, distribution, and impacts of several aquatic invasive species found in Iowa: Eurasian watermilfoil, brittle



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naiad, purple loosestrife, bighead and silver carp, and zebra mussels. Public outreach programs, volunteer opportunities, and prevention guidelines will also be outlined.

Presenter: Kim Bogenschutz (Iowa Dept. of Natural Resources)

Bio: Kim Bogenschutz received a BA in Biology from Gustavus Adolphus College and an MS in Fisheries Science from South Dakota State University. She has been the Aquatic Invasive Species Program Coordinator for the Iowa DNR since 2000. Kim is co-chair of the Mississippi River Basin Panel on ANS and a member of the Missouri River ANS Work Group, ANS Task Force Asian Carp Work Group, Midwest Invasive Plant Network, and Aquatic Plant Management Society.

Program Title: *Live to Nine*

Program Description: Live music at Sturgis Park downtown Cedar Falls

Presenters:

Bio:

Saturday, June 21

Program Title: *Paddling Demonstration*

Program Description:

Presenter: Prairie Rapids Paddlers

Bio: